

ABSTRACT OF THE DISCLOSURE

A beat-pattern based error concealment system and method which detects drum-like beat patterns of music signals on the encoder side of the system and embeds the beat information as data ancillary to a preceding audio data interval in the transmitted compressed bitstream. The embedded information is then used to perform an error concealment task on the decoder side of the system. The beat detector functions as part of an error concealment system in an audio decoding section used in audio information transfer and audio download-streaming system terminal devices such as mobile phones. The disclosed sender-based method improves error concealment performance while reducing decoder complexity.